

JUL 11 2005
PATENT & TRADEMARK OFFICE

inventor: John P. Castagna et al.
Title: "Instantaneous Spectral Analysis"
Serial No.: 10/616,638; Filed: July 9, 2003; Confirmation No.: 4915
Docket No.: GTI-1538; REPLACEMENT SHEET

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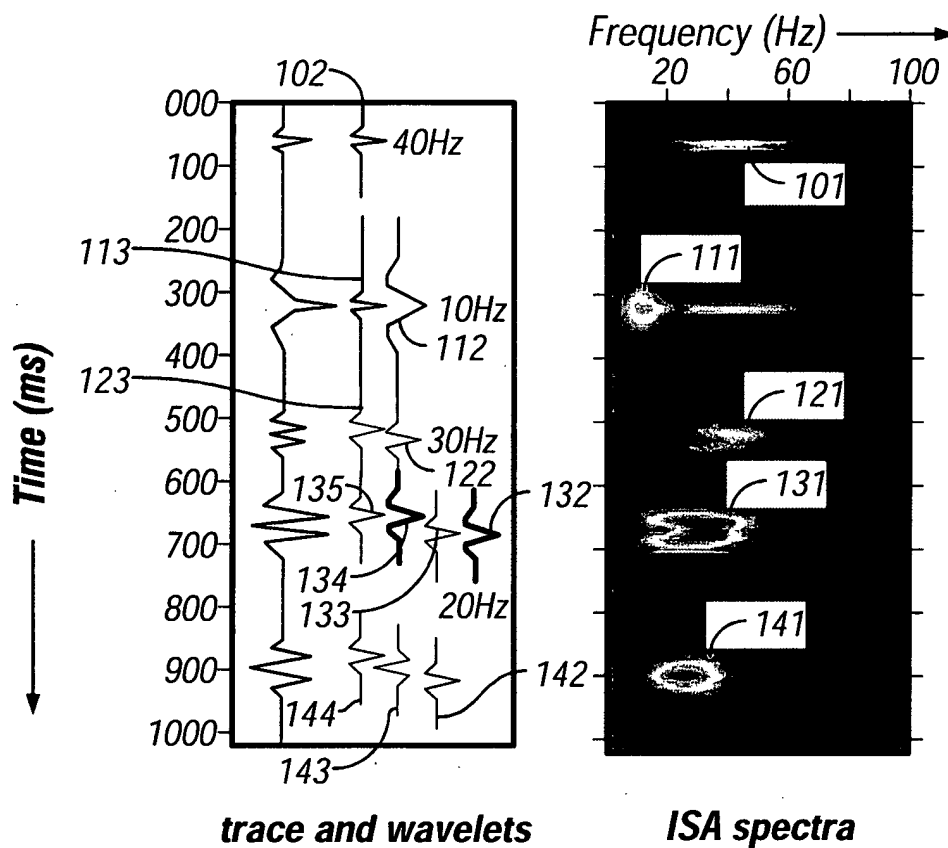


FIG. 1

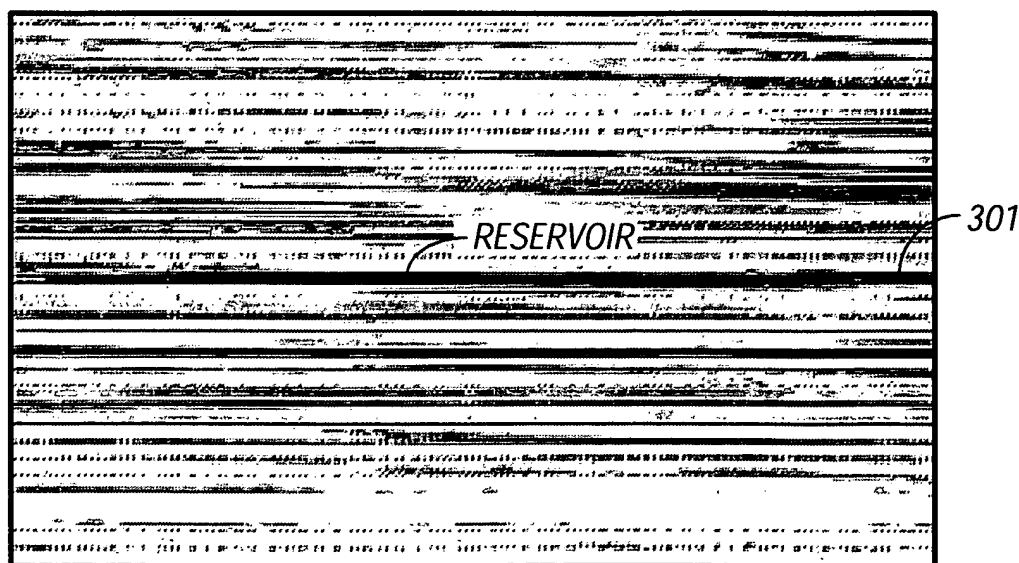


FIG. 3

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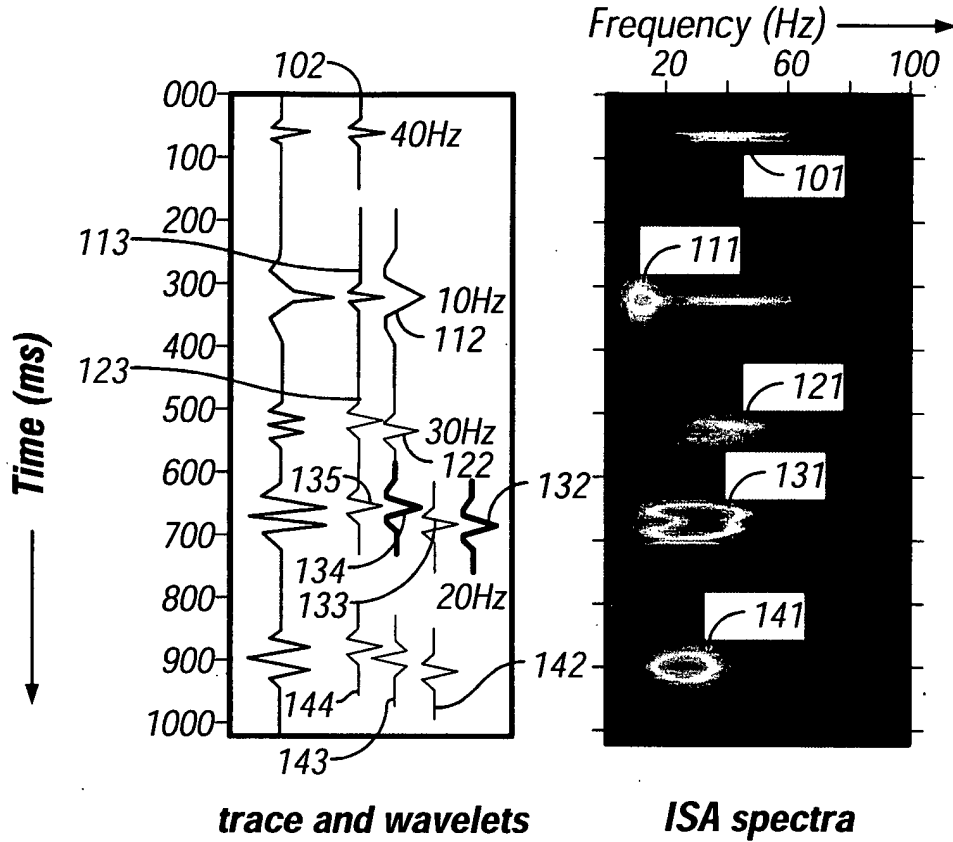


FIG. 1

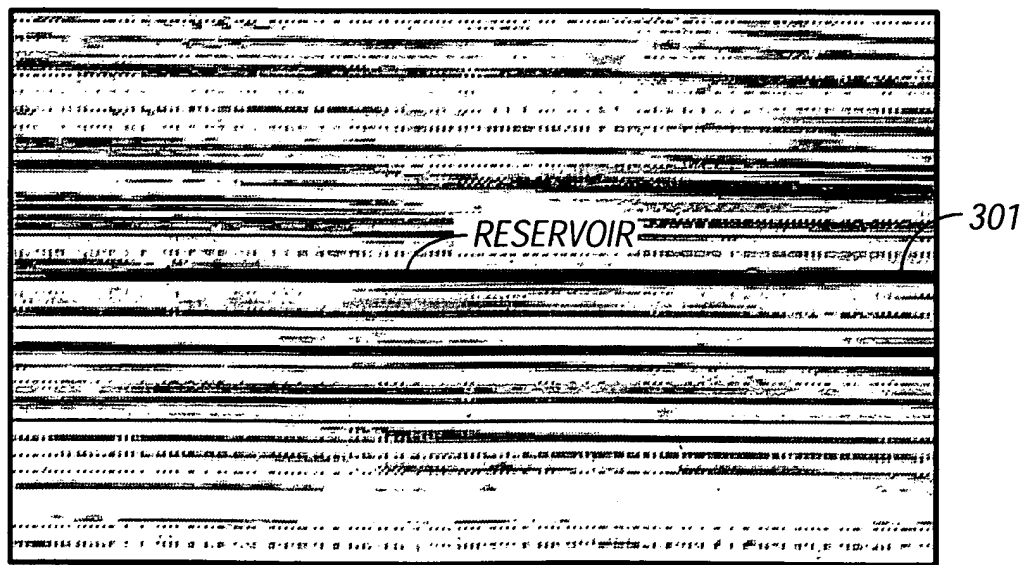


FIG. 3

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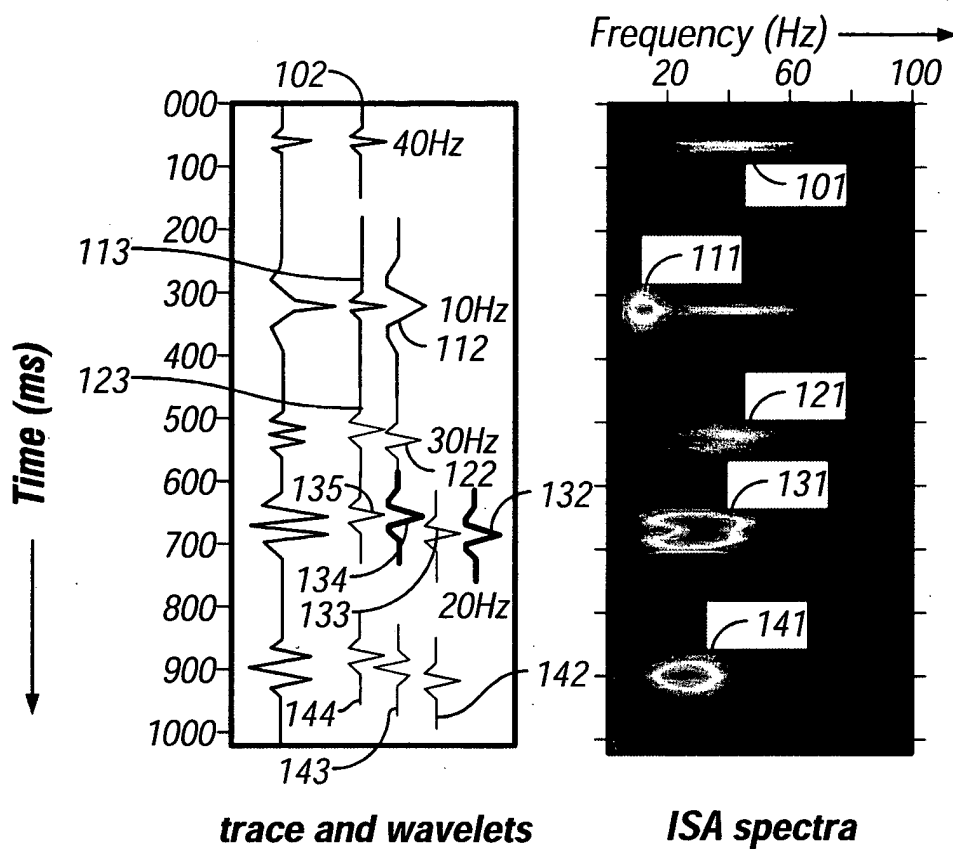


FIG. 1

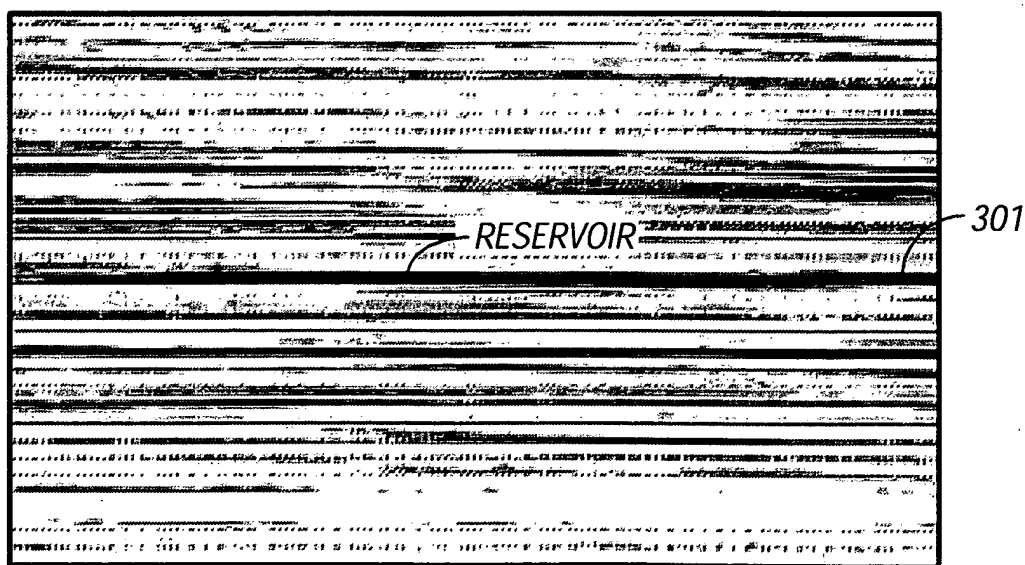


FIG. 3

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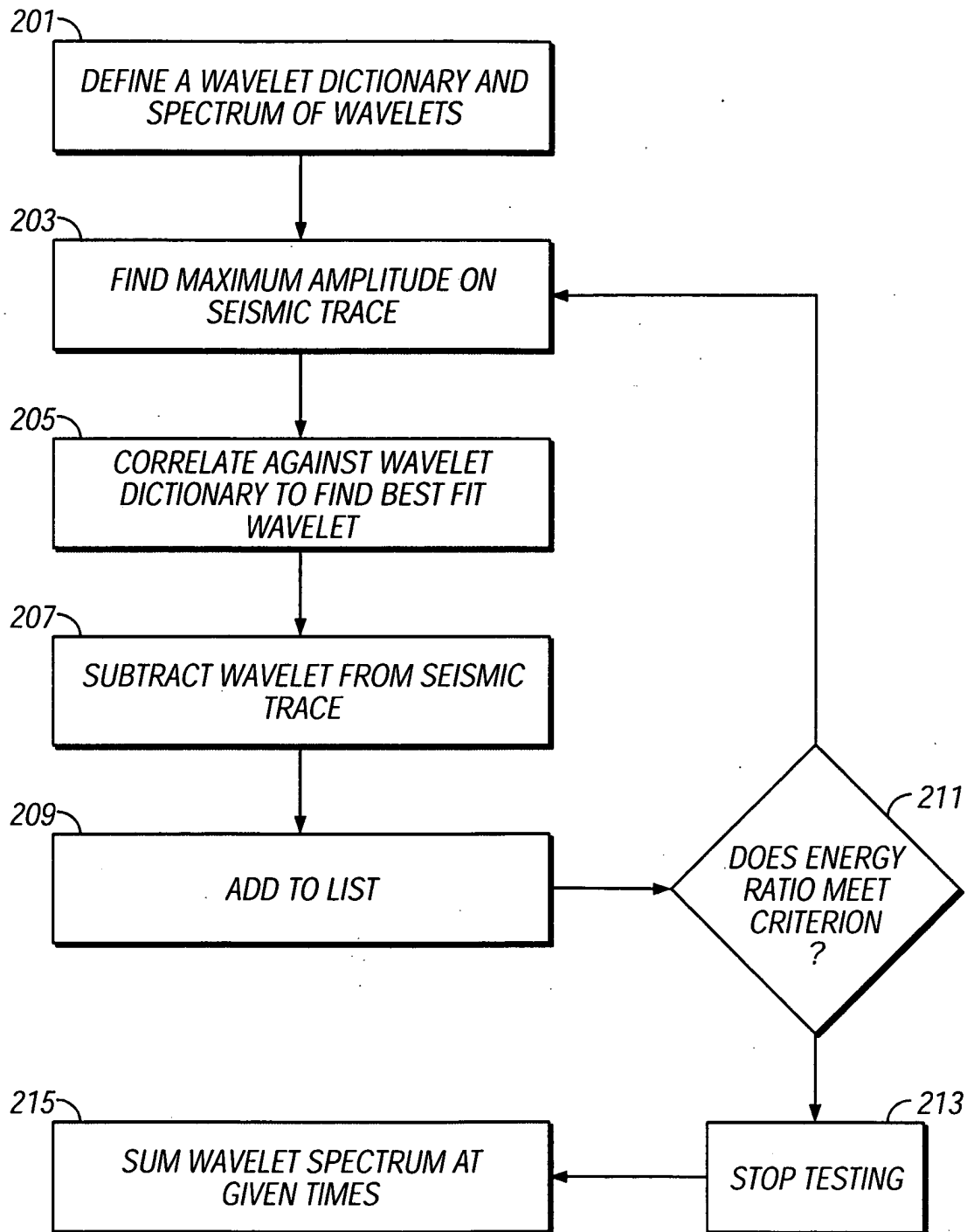
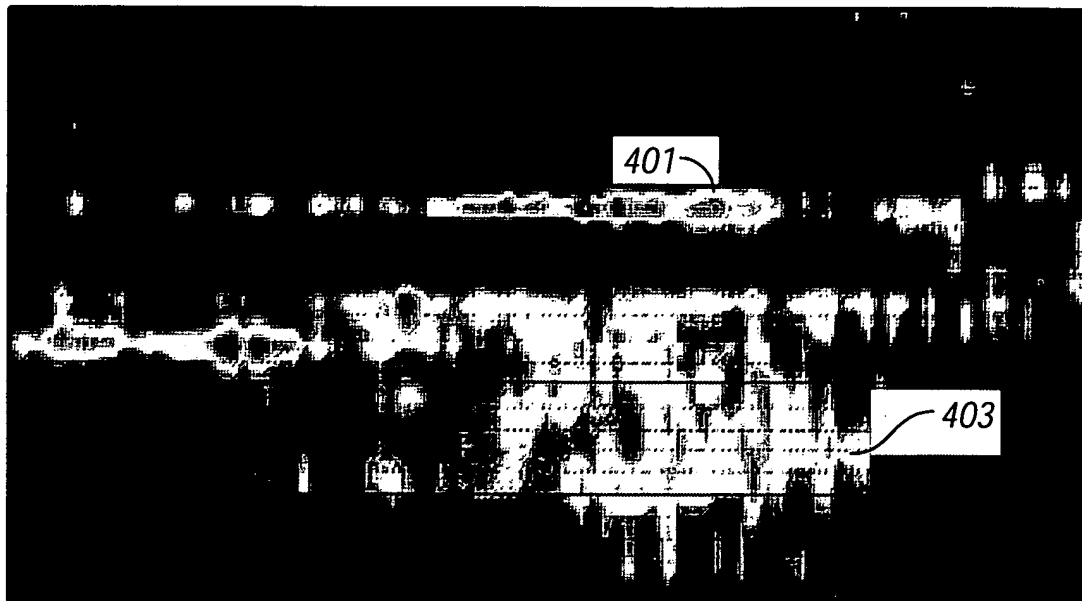


FIG. 2

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High energy below reservoir at low frequency

FIG. 4

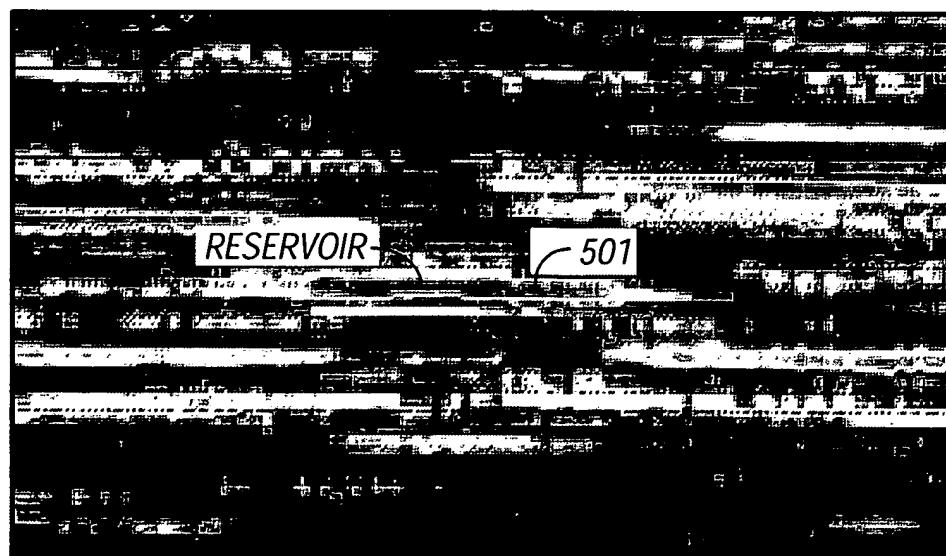
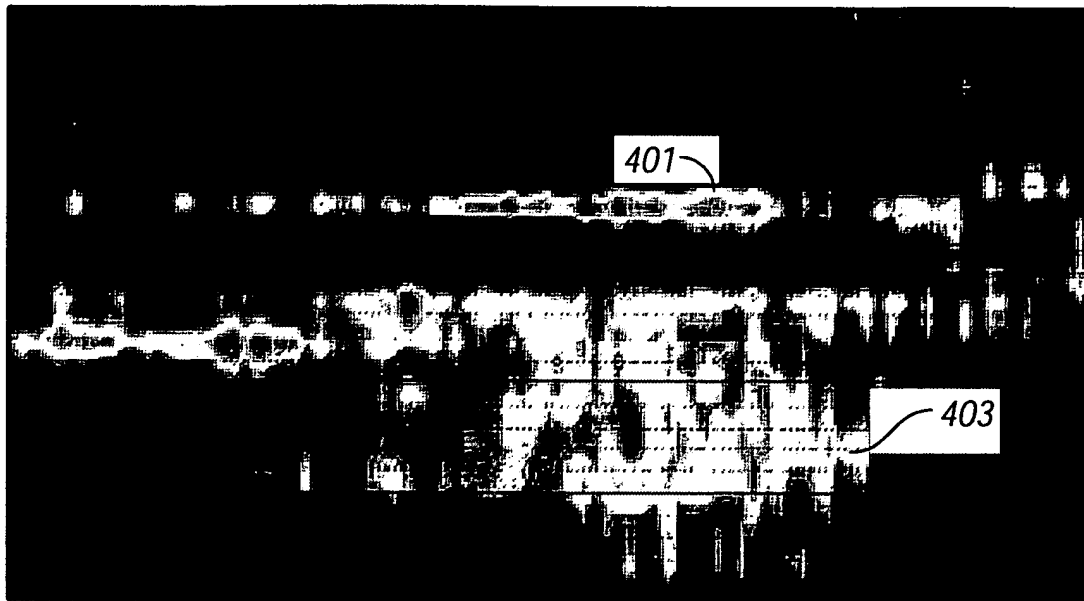


FIG. 5

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High energy below reservoir at low frequency

FIG. 4

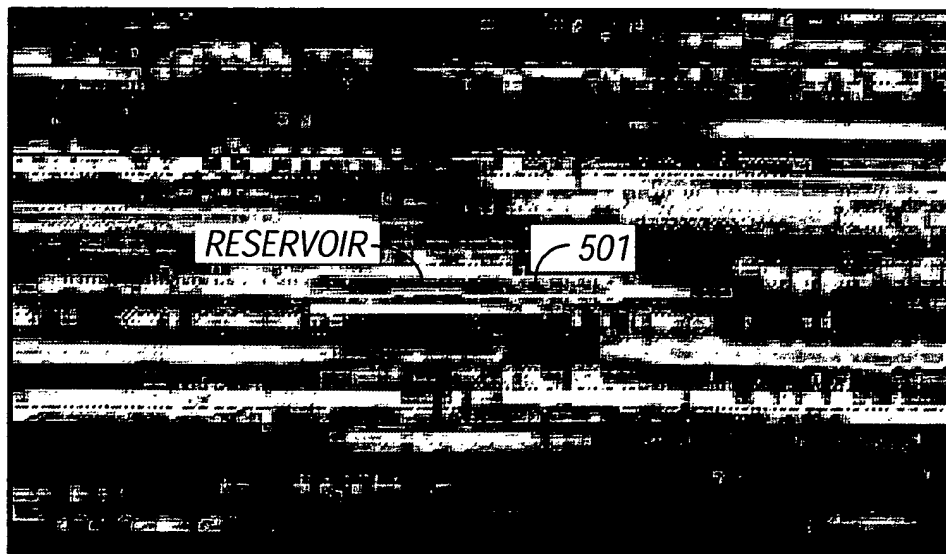
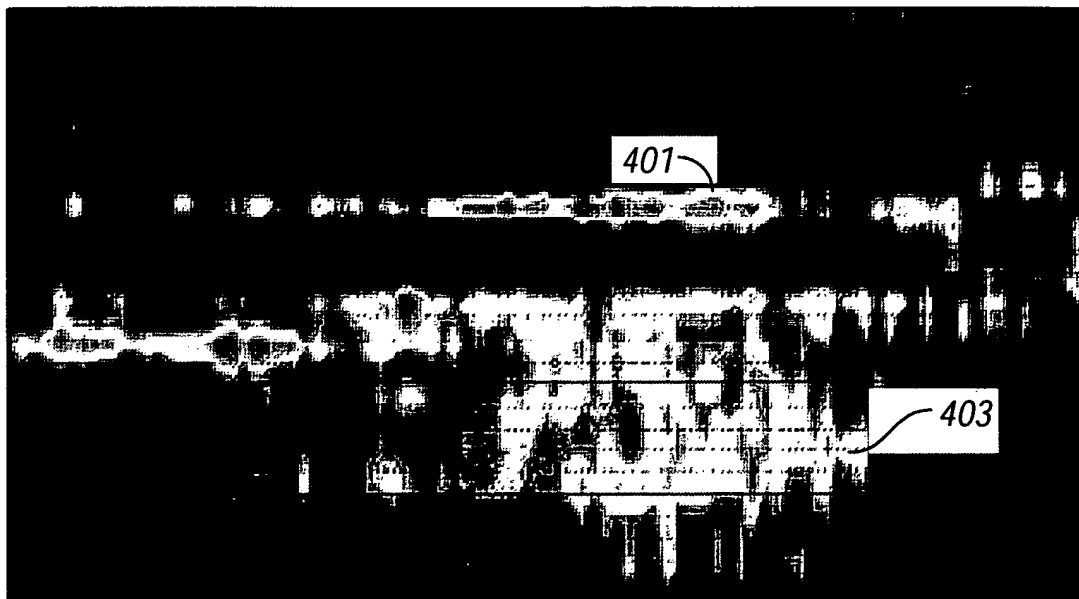


FIG. 5

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High energy below reservoir at low frequency

FIG. 4



FIG. 5

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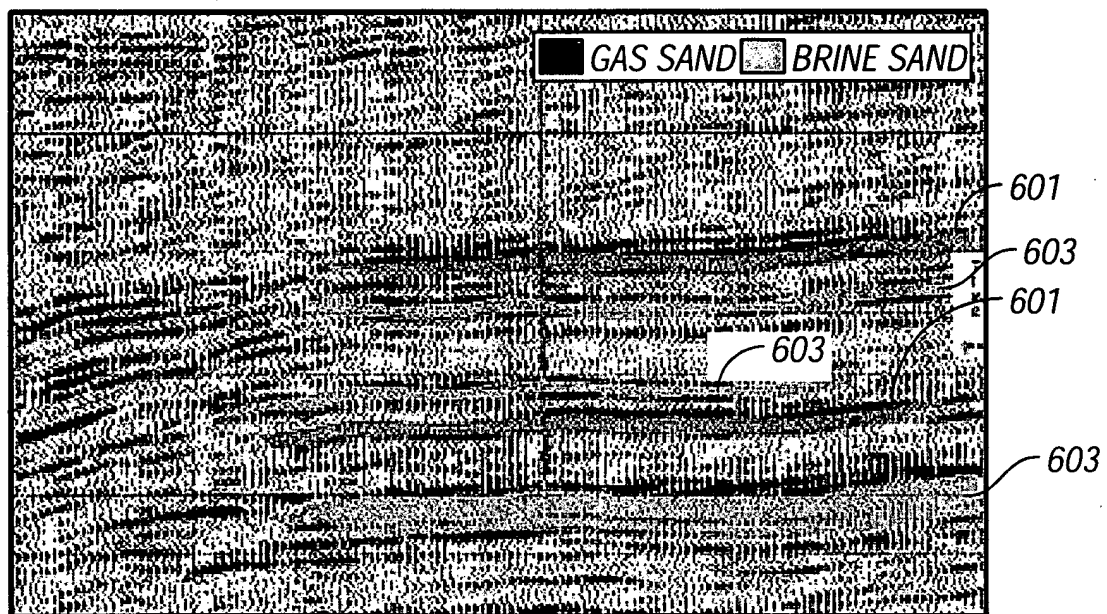


FIG. 6

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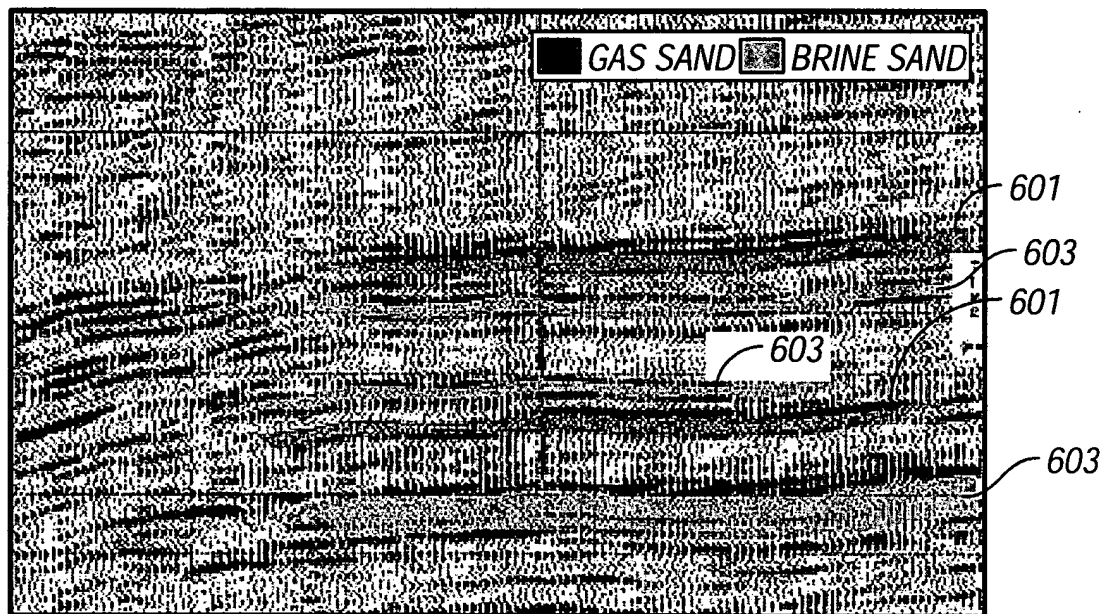


FIG. 6

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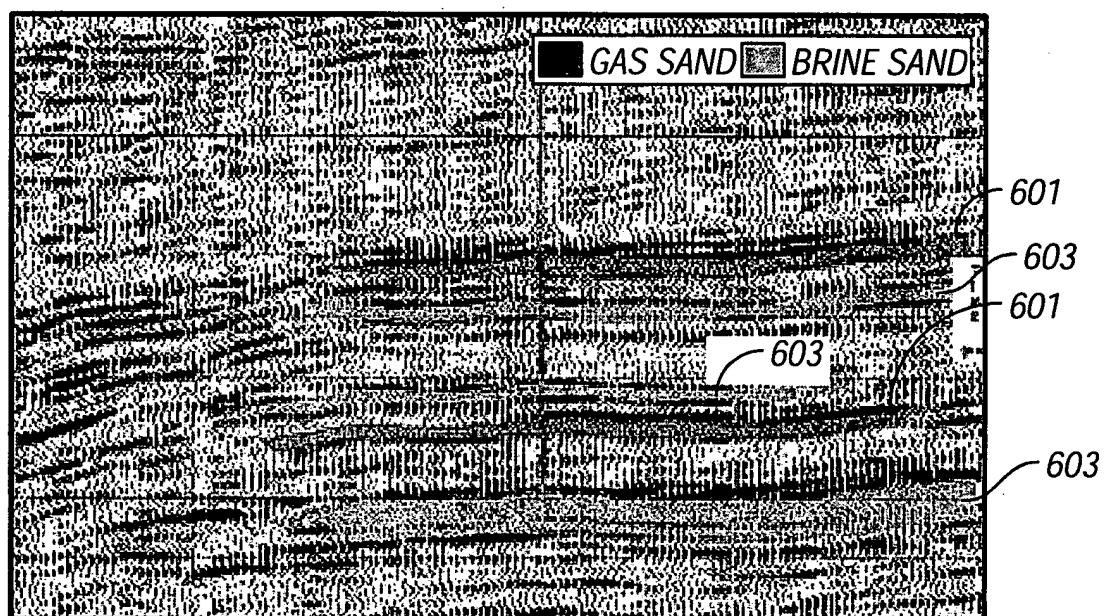


FIG. 6

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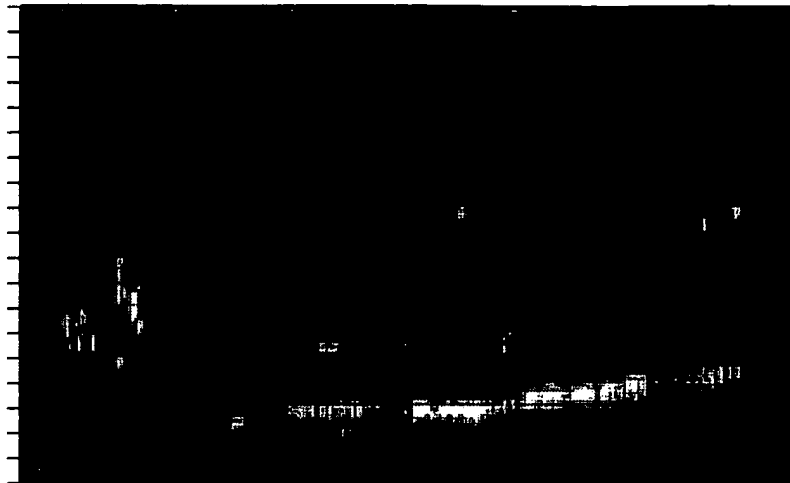


FIG. 7A

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High energy below reservoir at low frequency



FIG. 7B

High energy below reservoir at low frequency



FIG. 7C

High energy below reservoir at low frequency

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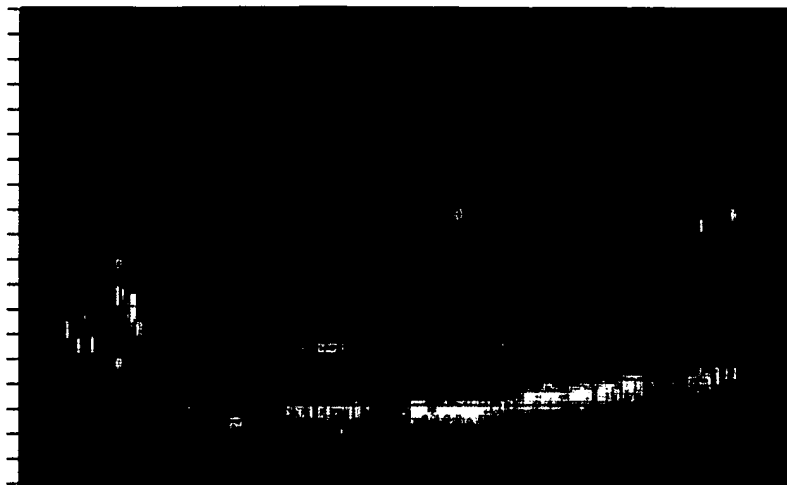


FIG. 7A

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High energy below reservoir at low frequency



FIG. 7B

High energy below reservoir at low frequency



FIG. 7C

High energy below reservoir at low frequency

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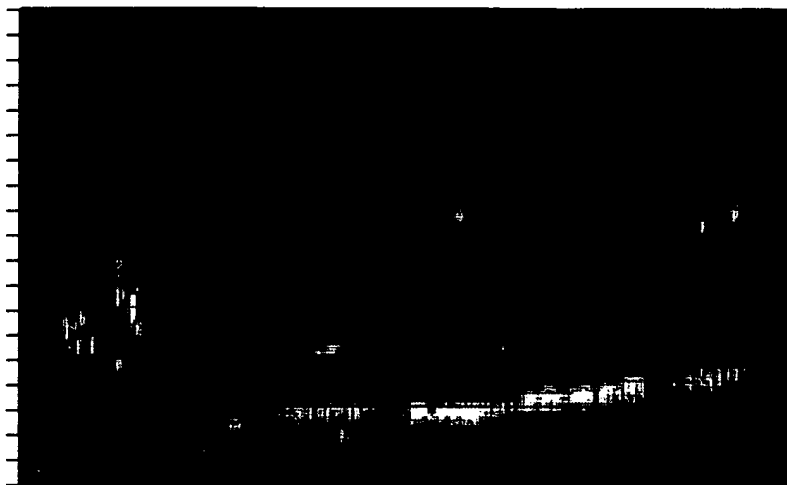


FIG. 7A

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High energy below reservoir at low frequency

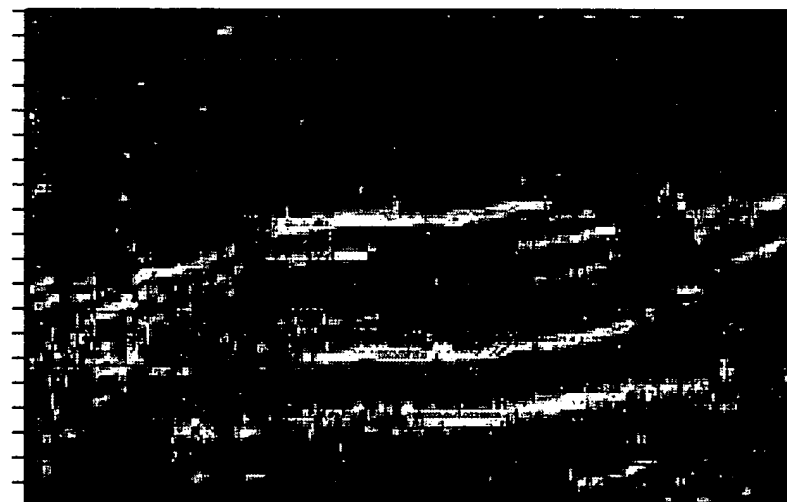


FIG. 7B

High energy below reservoir at low frequency

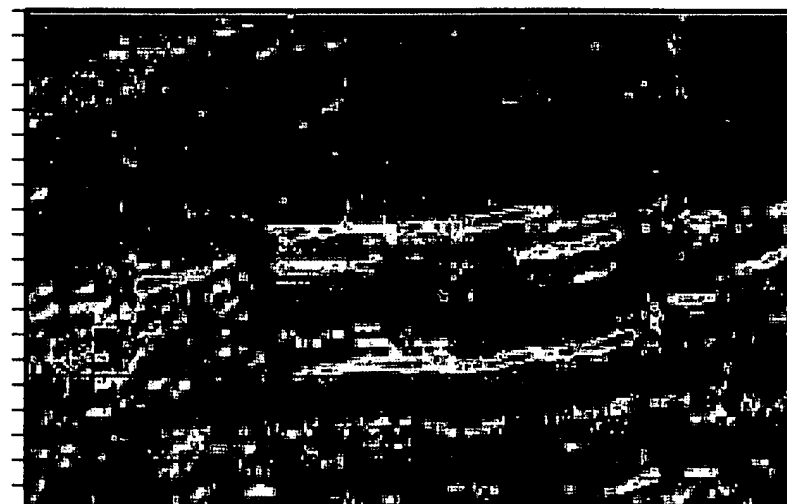


FIG. 7C

High energy below reservoir at low frequency

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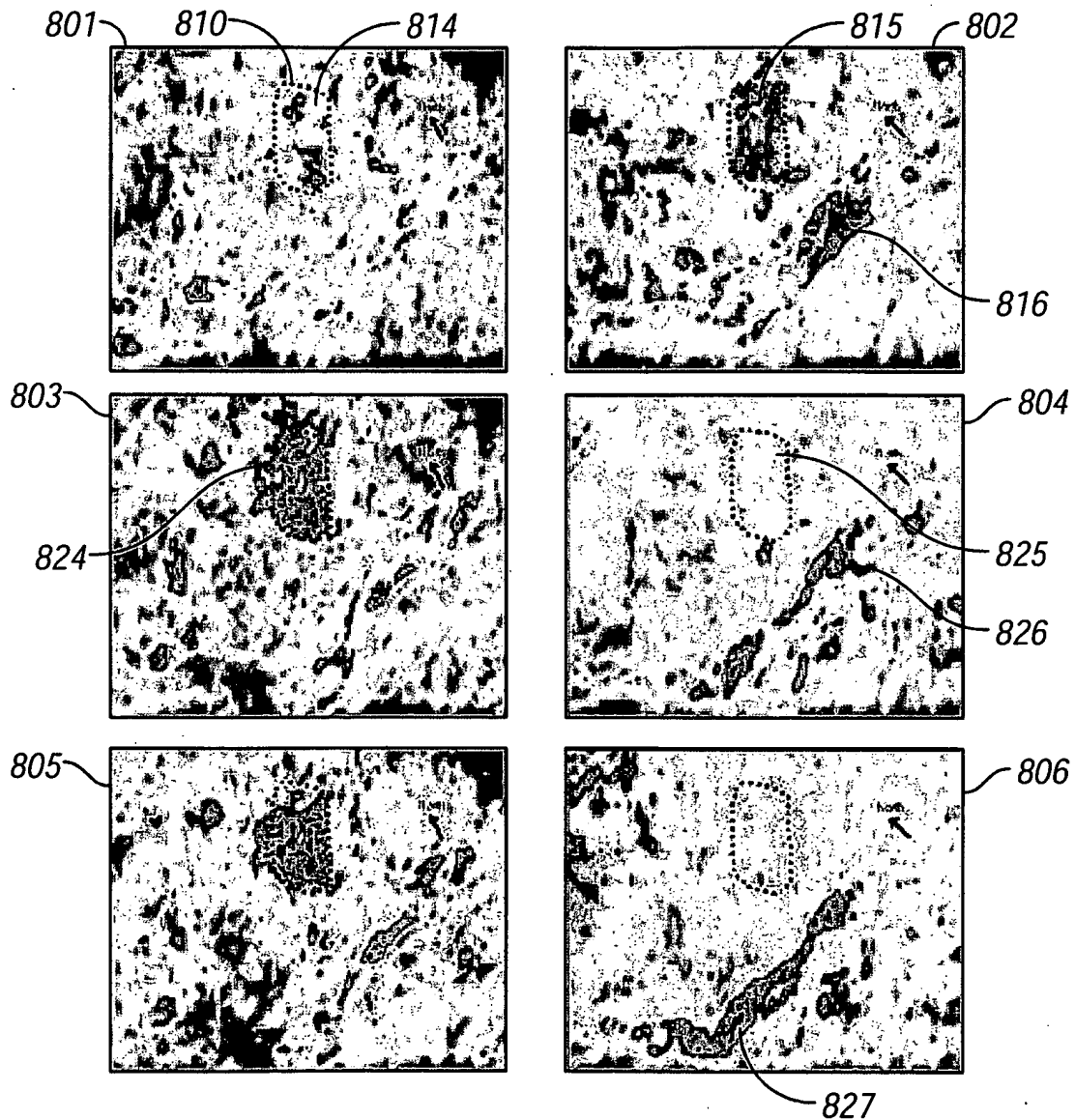


FIG. 8

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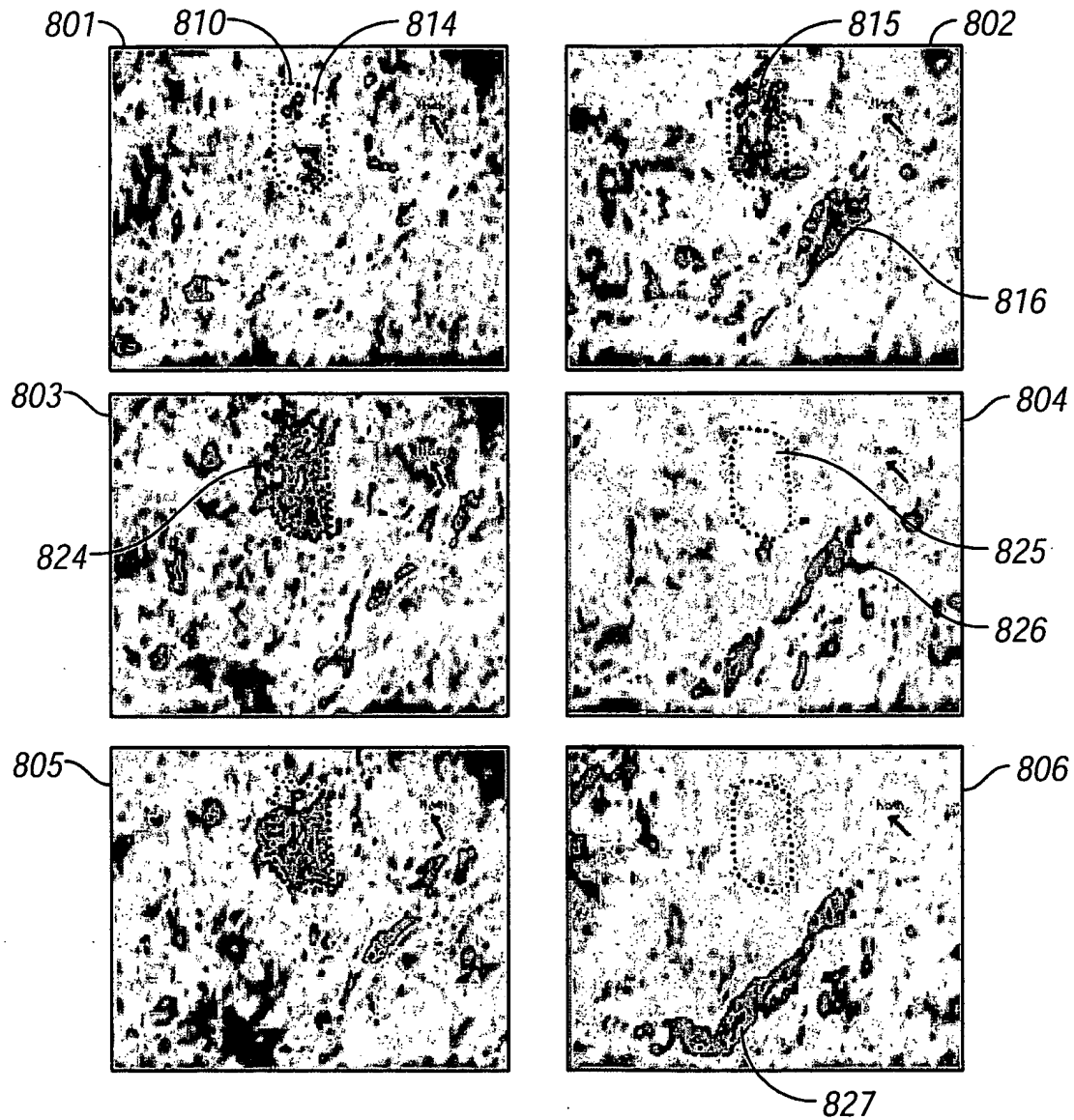


FIG. 8

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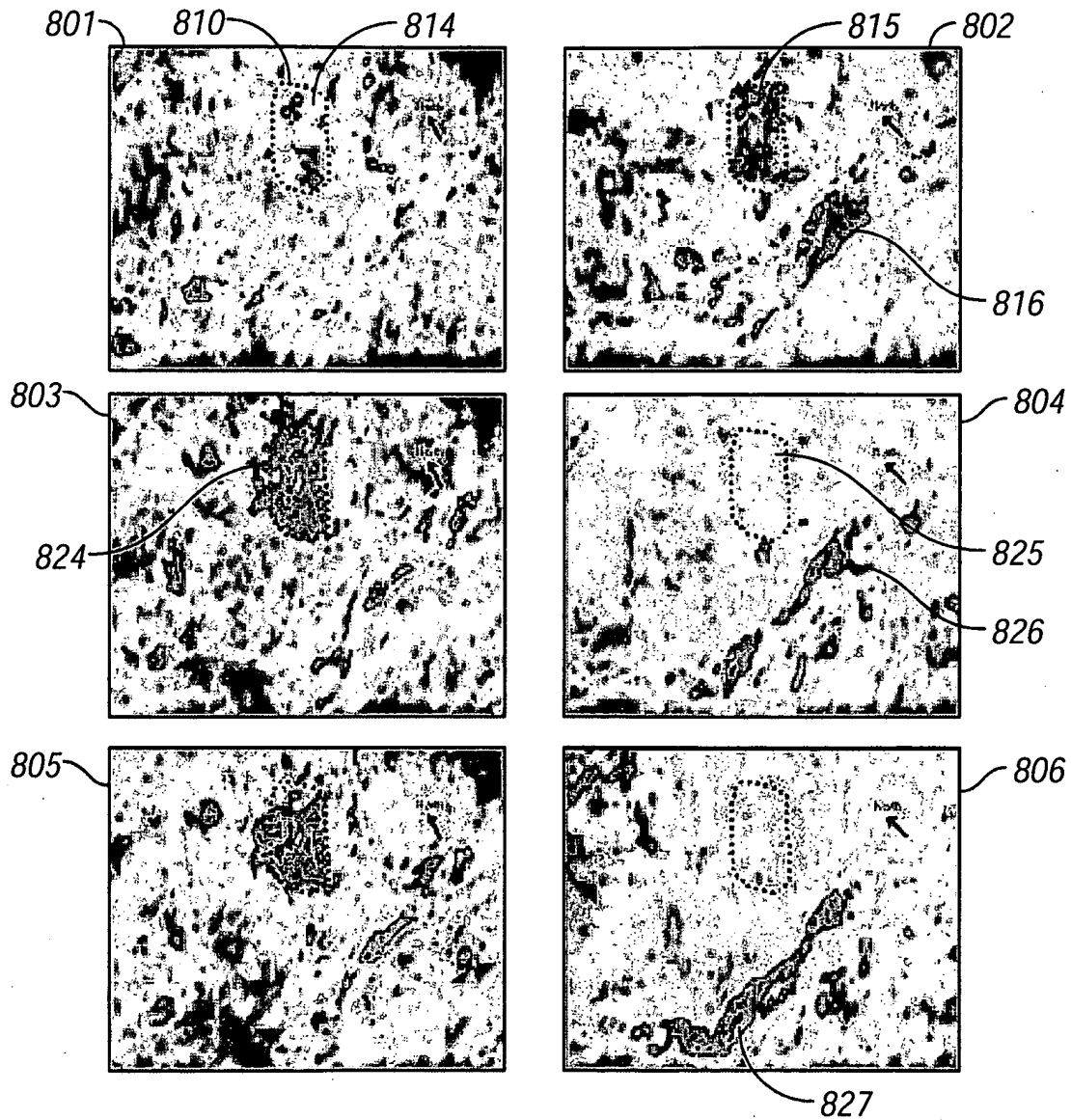


FIG. 8